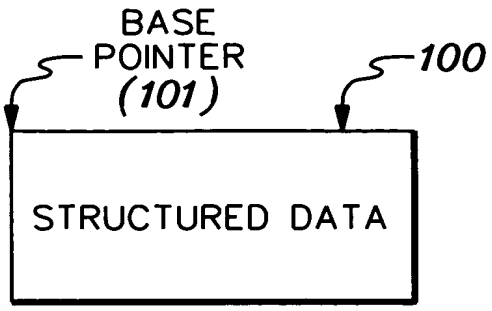

fig. 1

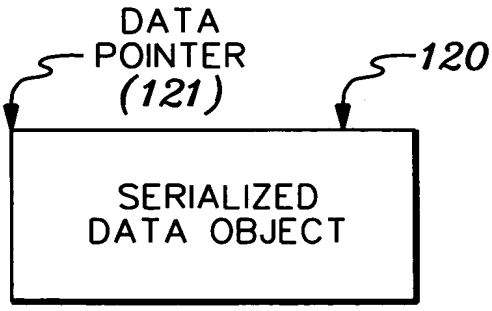

fig. 3

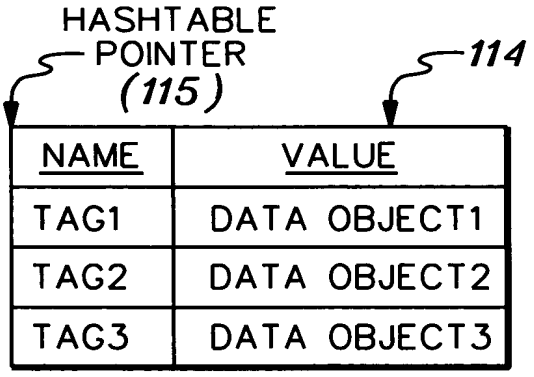

fig. 2

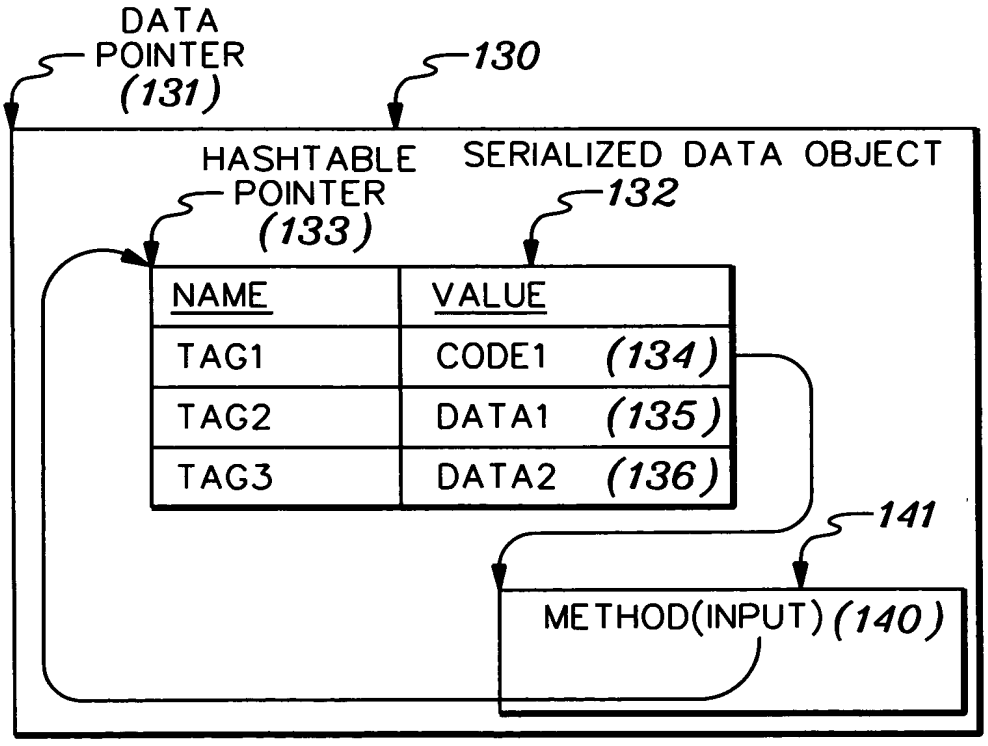

fig. 4

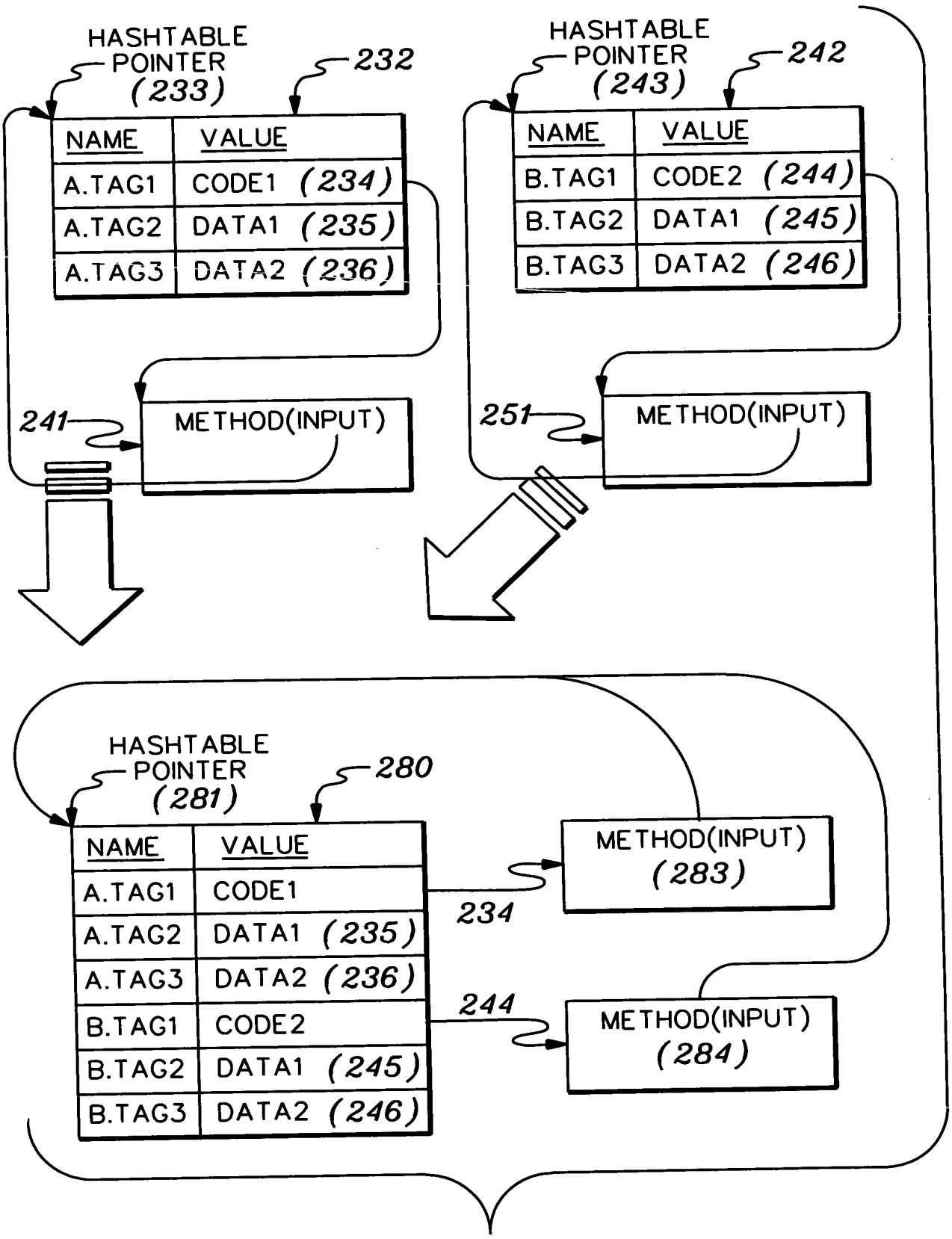
HASHTABLE POINTER (233)
232
NAME
VALUE
A.TAG1
CODE1 (234)
A.TAG2
DATA1 (235)
A.TAG3
DATA2 (236)
241
METHOD(INPUT)
HASHTABLE POINTER (243)
242
NAME
VALUE
B.TAG1
CODE2 (244)
B.TAG2
DATA1 (245)
B.TAG3
DATA2 (246)
251
METHOD(INPUT)
HASHTABLE POINTER (281)
280
NAME
VALUE
A.TAG1
CODE1
A.TAG2
DATA1 (235)
A.TAG3
DATA2 (236)
B.TAG1
CODE2
B.TAG2
DATA1 (245)
B.TAG3
DATA2 (246)
234
METHOD(INPUT) (283)
244
METHOD(INPUT) (284)

fig. 5

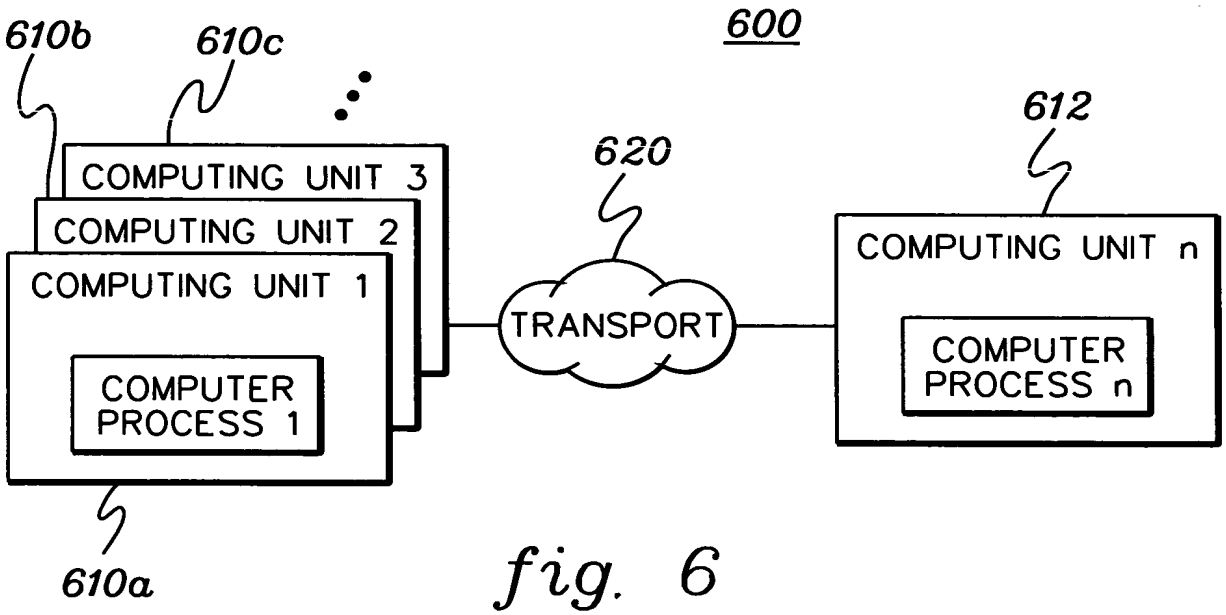
600
610b
610c
612
620
COMPUTING UNIT 3
COMPUTING UNIT 2
COMPUTING UNIT 1
COMPUTER PROCESS 1
TRANSPORT
COMPUTING UNIT n
COMPUTER PROCESS n
610a

fig. 6

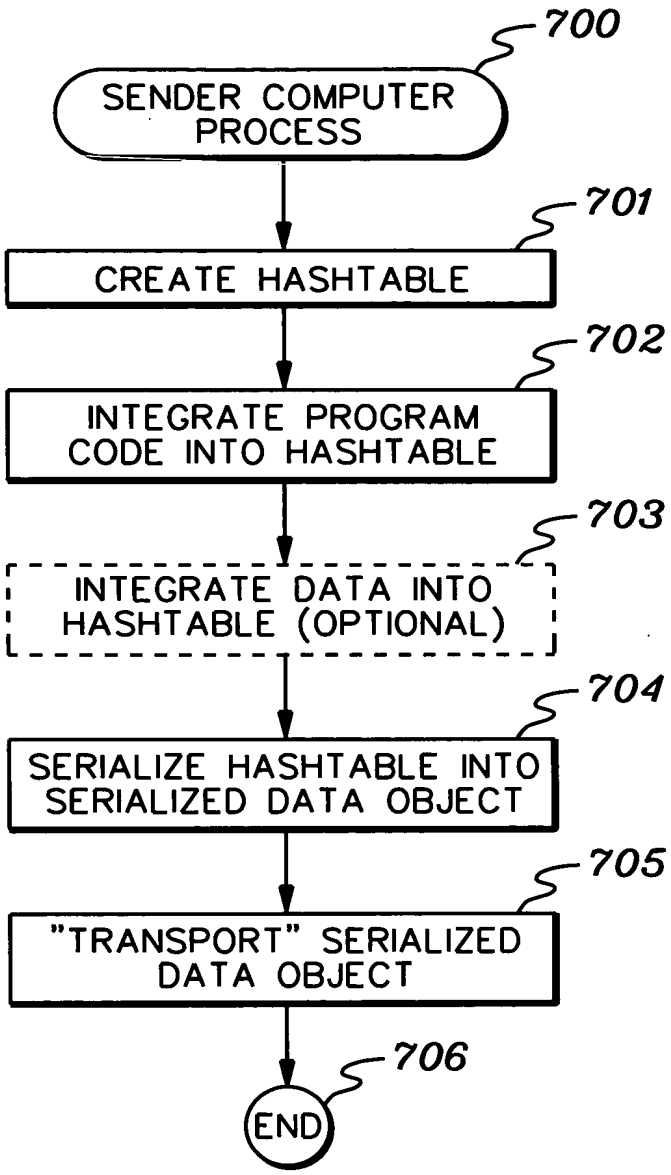
700
SENDER COMPUTER PROCESS
701
CREATE HASHTABLE
702
INTEGRATE PROGRAM CODE INTO HASHTABLE
703
INTEGRATE DATA INTO HASHTABLE (OPTIONAL)
704
SERIALIZE HASHTABLE INTO SERIALIZED DATA OBJECT
705
"TRANSPORT" SERIALIZED DATA OBJECT
706
END

fig. 7

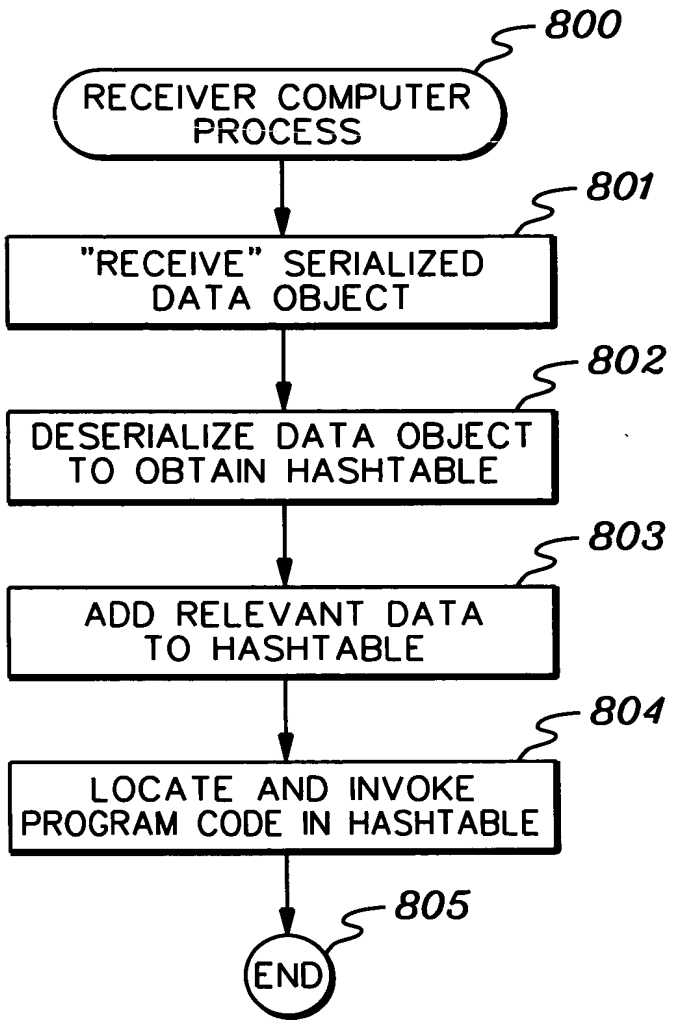
800
RECEIVER COMPUTER PROCESS
801
"RECEIVE" SERIALIZED DATA OBJECT
802
DESERIALIZE DATA OBJECT TO OBTAIN HASHTABLE
803
ADD RELEVANT DATA TO HASHTABLE
804
LOCATE AND INVOKE PROGRAM CODE IN HASHTABLE
805
END

fig. 8

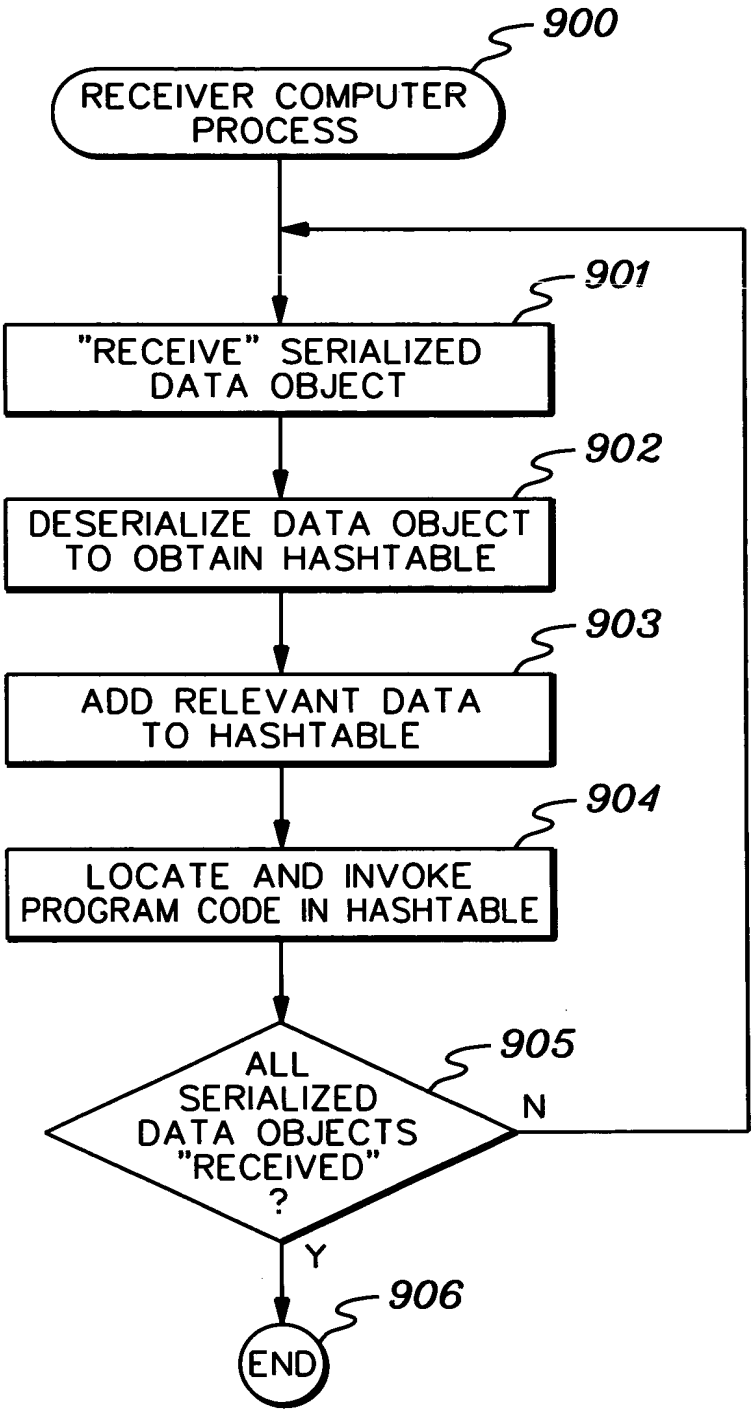
900
RECEIVER COMPUTER PROCESS
901
"RECEIVE" SERIALIZED DATA OBJECT
902
DESERIALIZE DATA OBJECT TO OBTAIN HASHTABLE
903
ADD RELEVANT DATA TO HASHTABLE
904
LOCATE AND INVOKE PROGRAM CODE IN HASHTABLE
905
ALL SERIALIZED DATA OBJECTS "RECEIVED" ?
N
Y
906
END

fig. 9

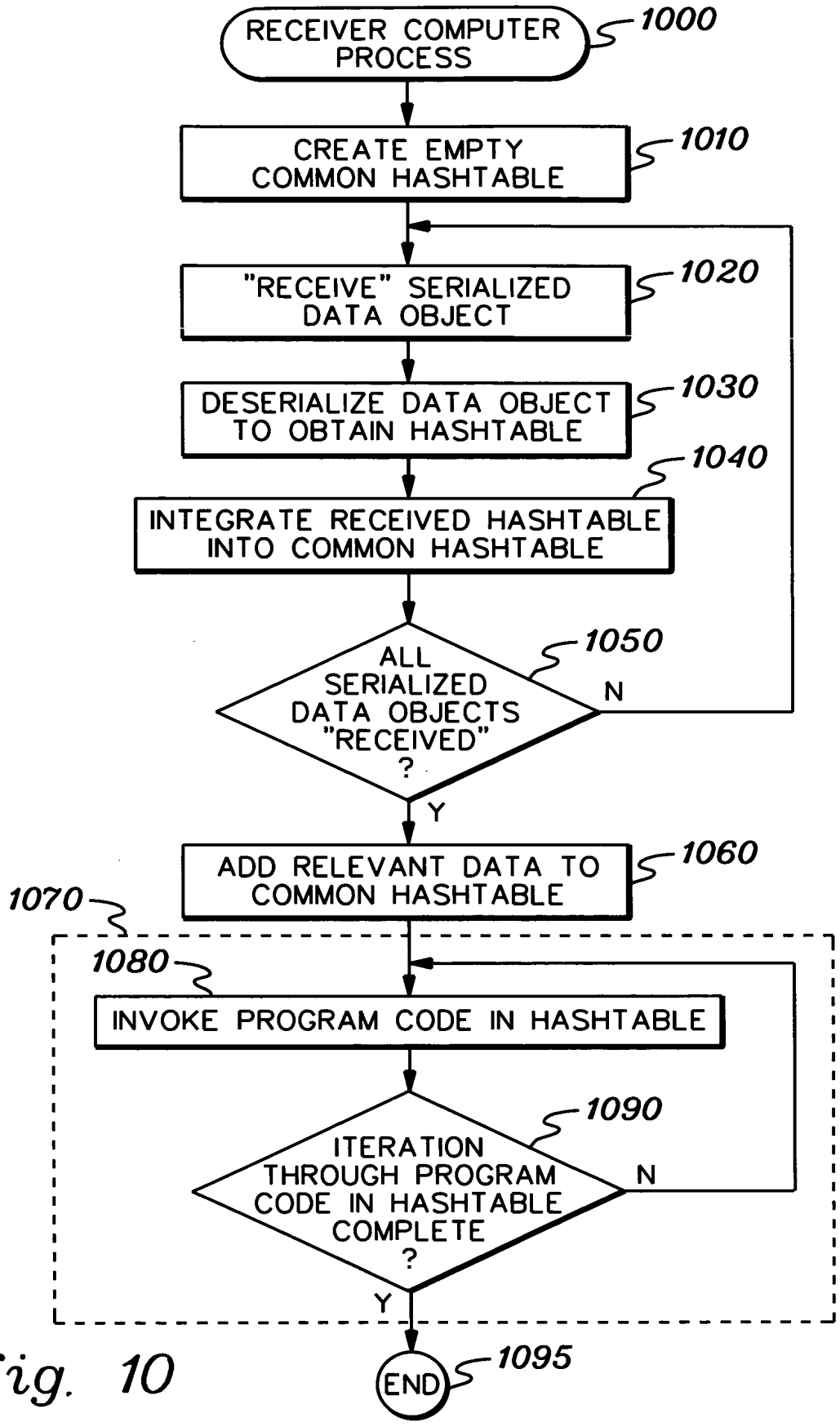
RECEIVER COMPUTER PROCESS
1000
CREATE EMPTY COMMON HASHTABLE
1010
"RECEIVE" SERIALIZED DATA OBJECT
1020
DESERIALIZE DATA OBJECT TO OBTAIN HASHTABLE
1030
INTEGRATE RECEIVED HASHTABLE INTO COMMON HASHTABLE
1040
ALL SERIALIZED DATA OBJECTS "RECEIVED" ?
1050
N
Y
ADD RELEVANT DATA TO COMMON HASHTABLE
1060
1070
1080
INVOKE PROGRAM CODE IN HASHTABLE
ITERATION THROUGH PROGRAM CODE IN HASHTABLE COMPLETE ?
1090
N
Y
END
1095

fig. 10